

# Work Order ID 73522

Thursday, September 01, 2011 12:48:57 PM



Page 1

Item ID: D4002-7

Accept



Setup Start



Revision ID:

Item Name: Hose Assembly

Stop



Start Date: 9/1/2011 Start Qty: 5.00



Cust Item ID:

Required Date: 9/9/2011 Req'd Qty: 5.00



Customer:

Reference:

Approvals: Process Plan: *W* Date:

Tooling: Date:

Run Start



QC: Date:

SPC (Y/N): Date:

Stop



Sequence ID/  
Work Center ID

Operation  
Description

Set Up/  
Run Hours

Tool ID

Tool #

Plan  
Code

Accept  
Qty

Reject  
Qty

Reject  
Number

Insp.  
Stamp

Draw Nbr

Revision Nbr

D4002

B

*PER ATTACHED JRF  
OK TO PROCEED + STOCK 1109.19  
+ PICK IN KITS.*

0.00

100



Purchasing

Memo

0.00

Purchasing

Issue P/O: *14830*  
Purchase part as per Dwg D4002  
Part #: 156005-6D-0213  
Possible Supplier: Aviall / API  
Material release note required

*CL 11109106 (5)*

110



Packaging

Receive & Inspect for Damage & Mat'l Certs

0.00

Memo

0.00

Packaging

*Pup/12 (5)*

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

**Work Order ID 73522**

Thursday, September 01, 2011 12:48:57 PM

Page 2

Item ID: D4002-7

Accept

Setup Start

Revision ID:

Stop

Item Name: Hose Assembly

Start Date: 9/1/2011 Start Qty: 5.00

Required Date: 9/9/2011 Req'd Qty: 5.00

Cust Item ID:

Customer:

Reference:

Approvals: Process Plan:

Date:

Tooling:

Date:

Run Start

QC:

Date:

SPC (Y/N):

Date:

Stop

Sequence ID/  
Work Center IDOperation  
DescriptionSet Up/  
Run Hours

Tool ID

Tool #

Plan  
CodeAccept  
QtyReject  
QtyReject  
NumberInsp.  
Stamp

120

QC6- Inspect dimensions to drawing

0.00



QC

Memo

0.00

Quality Control

130

Identify as per dwg & Stock Location: 187

0.00



Packaging

Memo

0.00

Packaging

140

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

11/9/12 (52)

11/9/20 (5)

11-09-20 (5)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Picklist Print

Thursday, September 01, 2011 12:48:54 PM

Work Order ID: 73522

Parent Item: D4002-7

Parent Item Name: Hose Assembly



Start Date: 9/1/2011

Required Date: 9/9/2011

Start Qty: 5.00

Required Qty: 5.00

Comments: IPP rev A 09.12.23 new Issue Prelim EC verified by: DD IPP rev B  
10.05.13 ecn10-562 EC verified by:DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
156005-6D0213		Purchased	No				Each	0.0000		5			



Hose Assembly



9/1/12 (5)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

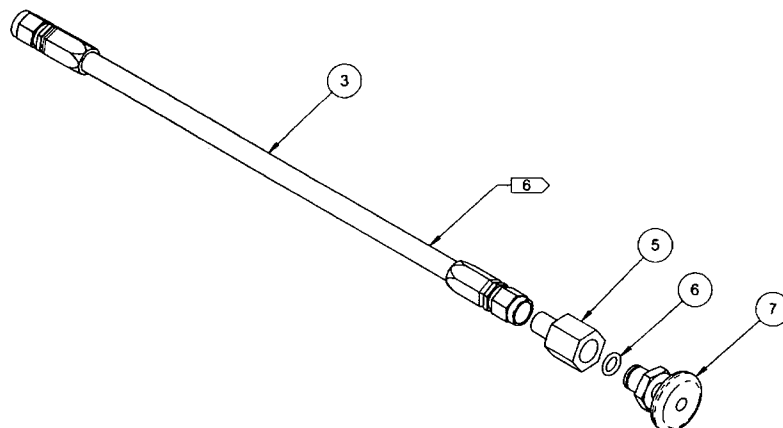
Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

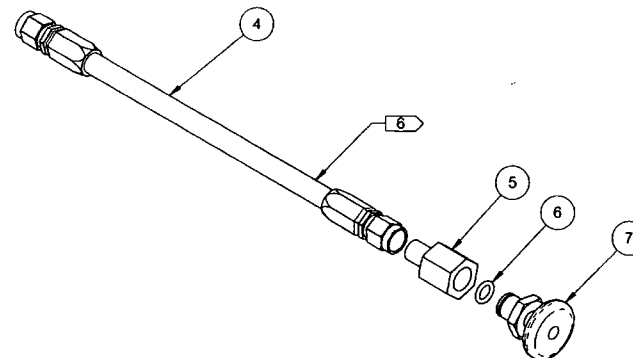
NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

ITEM NO.	QTY. -041	QTY. -043	PART NUMBER	DESCRIPTION	JOHN CAMERON AVIATION PART NUMBER
1	X		D4002-041	AUX TANK DRAIN HOSE ASSEMBLY, FWD	JCA-M47-1-13
2		X	D4002-043	AUX TANK DRAIN HOSE ASSEMBLY, AFT	JCA-M47-1-16
3	1		D4002-1	HOSE ASSEMBLY	
4		1	D4002-3	HOSE ASSEMBLY	
5	1	1	AN894D4-3	FITTING	
6	1	1	MS29512-04	O RING	
7	1	1	CCB4320	FUEL DRAIN VALVE (MS29528-4)	



**D4002-041 DRAIN HOSE - FRONT**



**D4002-043 DRAIN HOSE - REAR**

*w/o 73522*

**RELEASED**  
2011-05-30  
JW

**NOTES:**

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N AND B/N USING D2729-1 LABEL INSTALLED WITH D2182-045 HEAT SHRINK
- 7) WEIGHT: D4002-041 - 0.13 lbs  
D4002-043 - 0.12 lbs

B	CHANGE LENGTH MEASUREMENT FOR -3, ZN C2-2	10.11.03
A	NEW ISSUE	HS 10.03.01
REV.	DESCRIPTION	BY DATE
DESIGN		
DRAWN		
CHECKED		
MFG. APPR.		
APPROVED		
DE APPR.		
DATE	10.11.03	

<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWING NO. <b>D4002</b>	REV. B SHEET 1 OF 2
TITLE <b>HOSE ASSEMBLY</b>	SCALE NTS

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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

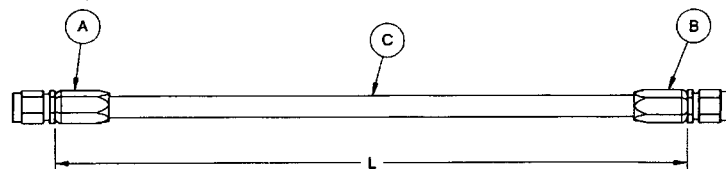
NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

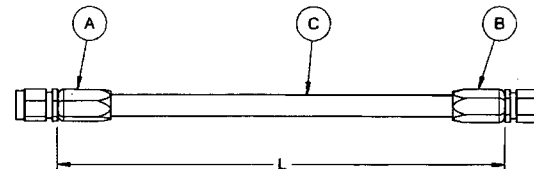


DART AEROSPACE PART NUMBER	JOHN CAMERON AVIATION PART NUMBER
D4002-1	REF JCA-M47-1-13
D4002-3	REF JCA-M47-1-16
D4002-5	JCA-M47-2-13
D4002-7	JCA-M47-2-25

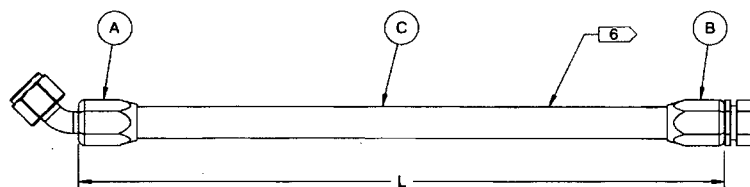
## SPECIFICATION CONTROL DRAWING



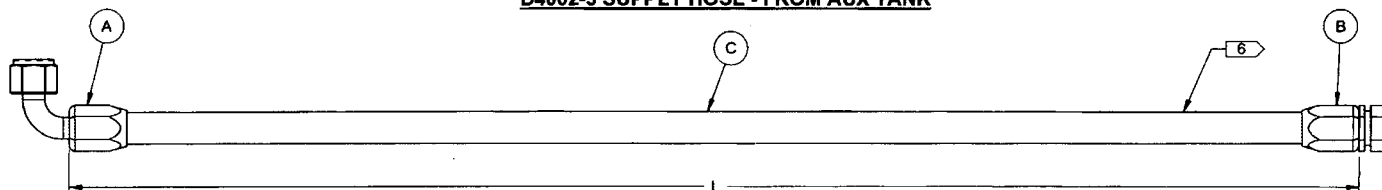
**D4002-1 HOSE ASSEMBLY**



**D4002-3 HOSE ASSEMBLY**



**D4002-5 SUPPLY HOSE - FROM AUX TANK**



**D4002-7 SUPPLY HOSE - PUMP TO MAIN TANK FILLER NECK**

DART PART NUMBER	STRATOFLEX PART NUMBER	POSSIBLE VENDOR	LENGTH "L"	END FITTING "A"	END FITTING "B"	HOSE "C"	WEIGHT
D4002-1	156001-3S-0105	AVIALU/API	9.90	676-3S	676-3S	156-3	0.08 lbs
D4002-3	156001-3S-0074	AVIALU/API	6.76	676-3S	676-3S	156-3	0.07 lbs
D4002-5	156003-6D-0102	AVIALU/API	8.94	678-6D	676-6D	156-6	0.13 lbs
D4002-7	156005-6D-0213	AVIALU/API	20.31	680-6D	676-6D	156-6	0.19 lbs

### NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N AND B/N USING D2729-1 LABEL INSTALLED WITH D2182-045 HEAT SHRINK
- 7) WEIGHT: SEE TABLE

**RELEASED**  
2011-05-30  
JWW

DESIGN		<b>DART AEROSPACE LTD</b>
DRAWN		HAWKESBURY, ONTARIO, CANADA
CHECKED		DRAWING NO. <b>D4002</b>
MFG. APPR.		REV. B
APPROVED		SHEET 2 OF 2
DE APPR.		TITLE <b>HOSE ASSEMBLY</b>
DATE	10.11.03	SCALE NTS
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## PACKING LIST



PAGE: 1

DATE: 09/09/11

TIME/HEURE: 10:50

EMP#: 24093

ORDER TYPE / TYPE DE COMMANDE: RG

CURRENCY: USD

CUSTOMER P.O.: 14830  
BON DE COMMANDESHIP NBR: 300267  
No DE EXPEDITEURORDER NUMBER: 0001027065- 300267  
No DE COMMANDEORDER DATE: 09/06/11  
DATE DE COMMANDESHIP VIA: FED PLAM - COLLECT  
EXPEDIER PARS  
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O032027  
DART AEROSPACE LTD  
1270 ABERDEEN STREET  
HAWKESBURY ON K6A 1K7  
CANADAS  
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ADART AEROSPACE LTD  
1270 ABERDEEN STREET  
HAWKESBURY ON K6A 1K7  
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34170  
AVIAL TORONTO CSC  
1840 ALSTEP DR. UNIT 5.  
MISSISSAUGA ON L5S 1W1  
CANADA

LINE	MFG	ITEM DESCRIPTION	ORDER QUANTITY QUANTITE COMMANDE	SHIP QUANTITY QUANTITE EXPEDIEE	BACK ORDER COMM. EN SOUF	UOM	LIST PRICE	CUSTOMER PRICE	EXTENDED CUSTOMER PRICE
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PLEASE SHIP FEDEX P1 ON CUSTOMER ACCOUNT  
NUMBER 1517-9324-0, AWB# MUST REFERENCE  
THE PURCHASE ORDER NUMBER

12	1S	156003-6D0102	5	5		0 EA	111.00	111.0000	555.00
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HOSE: RUBBER MED PRES, ASSEMBLY

REF:

Schedule B: 4009.42.0050  
Country of Origin: U.S.A.

ECCN: EAR99

LOT 51235161 EA

13	1S	156005-6D0213	5	5		0 EA	123.21	123.2100	616.05
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HOSE: RUBBER MED PRES, ASSEMBLY

REF:

Schedule B: 4009.42.0050  
Country of Origin: U.S.A.

ECCN: EAR99

LOT 51235162 EA

14	1S	156001-3S0074	4	4		0 EA	89.22	89.2200	356.88
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HOSE: RUBBER MED PRES, ASSEMBLY

REF:

Schedule B: 4009.42.0050  
Country of Origin: U.S.A.

ECCN: EAR99

## CERTIFICATE OF CONFORMANCE / CERTIFICAT DE CONFORMITE

I hereby certify that the aircraft parts, appliances and/or aircraft materials described hereon were acquired from a source of supply that is consistent with the conditions under which the department of transport distributor approval number 35-86 has been granted.  
Je certifie par la presente que les pieces appareils et/ou materiaux d'avions decrits ci-dessus ont ete acquis d'une source d'approvisionnement consistante avec les conditions sous lesquelles l'approbation du distributeur du department du transport no. 35-86 ont ete recue.

AV19 R2-99

G.S.T.REG.NO.R121506208

Signed

George D. Pudsey, DSM

Date

09/09/11

DISCOUNT TERMS APPLY ONLY TO SUB TOTAL.  
ESCOMPTE APPLIQUES SUR SOUS TOTAL SEULEMENT.  
ALL RETURNED MERCHANDISE SUBJECT TO A HANDLING FEE.  
FRAIS DE MANUTENTION APPLIQUES SUR TOUTE MARCHANDISE RETOURNEE.

CUSTOMER COPY / FILE COPY

## Under Review Notification

Raised By: M. BELLAVANCE

Date: 11.09.19

Product #: D4002-041/-043/-1/-3 (D350-794-041)

Product Name: HOSE ASSEMBLY (TANK ASSEMBLY)

Drawing/Kit Number	Drawing/Kit Description	Quantity on Hand (Stock)	Quantity on Order (Production)	Quantity Allocated (Customer Order)	HOLD SHIPMENT	Red Tag/Quarantine Stock	Advise customers	Stop Production	Re-Work Stock	IPP Under Review	Blue File Under Review	ECN #	Instructions
D4002	HOSE ASSEMBLY				N	Y	N	Y	TBD	Y	Y	11-637	SEE BELOW

REFERENCE ONLY

**Description of issue:**  
 PER EUROCOPTER CANADA LTD., THE LENGTH OF D4002-1/-3 REQUIRE TO BE INCREASED BY 8.00" TO ENSURE COMPATIBILITY WITH EUROCOPTER SQUIRREL CHEEK. THIS CHANGE DIRECTLY AFFECTS D4002-041/-043 AND D350-794-041 AS WELL AS D350-794-011 AND D130-794-021.

CURRENTLY, D350-794-011/D130-794-021 ARE NOT COMPATIBLE WITH EUROCOPTER SQUIRREL CHEEK. IT IS THEREFORE ACCEPTABLE TO SHIP KITS. HOWEVER, D4002-041/-043/-1/-3 STOCK SHOULD BE QUARANTINED, PROCUREMENT OF D4002-1/-3 SHOULD BE STOPPED, AND PRODUCTION OF D4002-041/-043 SHOULD BE STOPPED ONCE IN PROGRESS W/O'S ARE CLOSED. ENGINEERING TO SIGN OFF ON ALL D4002-041/-043/-1/-3 W/O'S UNTIL FURTHER NOTICE PRIOR TO PACKAGING D350-794-041, OR SHIPPING ANY D4002-041/-043, OR ORDERING ANY D4002-1/-3.

**Distribution:**

General Manager Production Manager Director Quality Assurance Design Manager Chief Engineer	Production Engineering Coordinators Quality Assurance Coordinator Quality Control Coordinator Order Processing Customer Technical Support	Engineering Project Managers Engineering Clerk Marketing
---	---	--

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries